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DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. NOVLP037

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
APPLICATIONS AND METHODS OF MAKING NITROGEN-FREE ANTI-REFLECTIVE LAYERS FOR SEMICONDUCTOR PROCESSING the specification of which,

- (check one)
1. ☐ is attached hereto.
 2. ☒ was filed on November 21, 2001 as
U.S. Application No. 09/990,197
and was amended on _____
 3. ☐ was filed on _____ as
International PCT Application No. _____
and was amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CFR § 1.56.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

			Priority Benefits Claimed?
(Application No.)	(Country)	(Filing Date)	Yes ___ No ___
_____	_____	_____	Yes ___ No ___

Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>60/302,112</u>	<u>June 28, 2001</u>
(Application No.)	(Filing Date)
_____	_____
(Application No.)	(Filing Date)

Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

(Application No.)

(Filing Date)

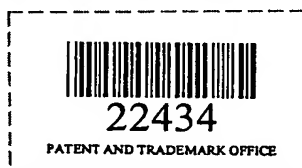
(Status - patented, pending, abandoned)

Power of Attorney

And I hereby appoint the law firm of Beyer Weaver & Thomas, LLP and all practitioners who are associated with the Customer Number 022434 as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct Correspondence To:

Customer Number: 022434



Direct Telephone Calls To:

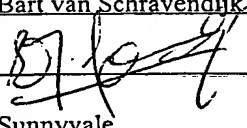
Lauren L. Stevens at telephone number (650) 961-8300

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of

Sole or First Inventor: Bart van Schravendijk

Citizenship: Netherlands

Inventor's signature: 

Date of Signature: 2/26/02

Residence: (City) Sunnyvale

(State/Country) CA/US

Post Office Address: 741 Islay Court, Sunnyvale, CA 94087

Second Inventor: Ming Li

Citizenship: People's Republic of China

Inventor's signature: 

Date of Signature: 2/25/02

Residence: (City) Pleasanton

(State/Country) CA/US

Post Office Address: 4606 Mason Street, Pleasanton, CA 94588

Third Inventor: Jason Tian

Citizenship: USA

Inventor's signature: [Signature]

Date of Signature: 2/27/02

Residence: (City) Milpitas

(State/Country) CA/US

Post Office Address: 782 Superior Road, Milpitas, CA 95035

Fourth Inventor: Tom Montsier

Citizenship: USA


Inventor's signature: [Signature]

Date of Signature: 2/25/02

Residence: (City) San Jose

(State/Country) CA/US

Post Office Address: 411 Park Avenue, #319, San Jose, CA 95110

Fifth Inventor: Zia Karim M. Zioul Karim 

Citizenship: Bangladesh U.S.A.

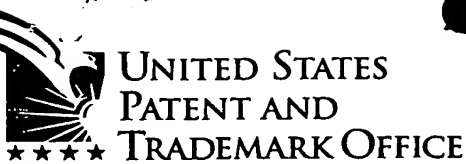
Inventor's signature: [Signature]

Date of Signature: 2/27/02

Residence: (City) San Jose

(State/Country) CA/US

Post Office Address: 2820 McAnn Court, San Jose, CA 95121



UNITED STATES
PATENT AND
TRADEMARK OFFICE

MAY 22, 2002

PTAS

BEYER WEAVER & THOMAS, LLP
LAUREN L. STEVENS
P.O. BOX 778
BERKELEY, CA 94704-0778

Chief Information Officer
Washington, DC 20231
www.uspto.gov



102037684A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/19/2002

REEL/FRAME: 012722/0967
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VAN SCHRAVENDIJK, BART

DOC DATE: 02/26/2002

ASSIGNOR:

LI, MING

DOC DATE: 02/25/2002

ASSIGNOR:

TIAN, JASON

DOC DATE: 02/27/2002

ASSIGNOR:

MOUNTSIER, TOM

DOC DATE: 02/25/2002

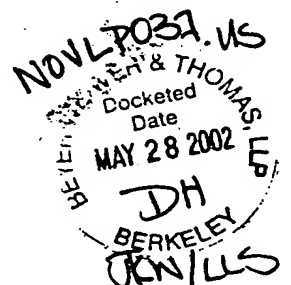
ASSIGNOR:

KARIM, M. ZIAUL

DOC DATE: 02/27/2002

ASSIGNEE:

NOVELLUS SYSTEMS, INC.
3970 NORTH FIRST STREET
SAN JOSE, CALIFORNIA 95134



012722/0967 PAGE 2

SERIAL NUMBER: 09990197
PATENT NUMBER:

FILING DATE: 11/21/2001
ISSUE DATE:

JEFFREY OLSEN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-01-2002

ASSIC



R SHEET

102037684

To: Honorable Commissioner of Patents and Trademarks:

3-19-02

Please record the attached original document(s) or copy thereof.

OFFICE OF PUBLIC RECORDS
2002 MAR 19 AM 10:39
FINANCE SECTION

1. Name of conveying party(ies)
 - a) Bart van Schravendijk
 - b) Ming Li
 - c) Jason Tian
 - d) Tom Mountsier
 - e) M. Ziaul Karim
2. Name and address of receiving party(ies):
 - a) Name: Novellus Systems, Inc.
Address: 3970 North First Street
San Jose, CA 95134
3. Nature of conveyance

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: Bart van Schravendijk executed February 26, 2002
Ming Li executed February 25, 2002
Jason Tian executed February 27, 2002
Tom Mountsier executed February 25, 2002
M. Ziaul Karim executed February 27, 2002

4. Application Number(s) or Patent Number(s): 09/990,197

The title of the (new) application is: APPLICATIONS AND METHODS OF MAKING NITROGEN-FREE ANTI-REFLECTIVE LAYERS FOR SEMICONDUCTOR PROCESSING

5. Please send all correspondence concerning this (these) documents to:

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Ph: (650) 961-8300
Fax: (650) 961-8301
(Customer Number: 022434)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed
☐ Any additional fees are authorized to be charged to Deposit Account No. 500388
(Order No. _____)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: March 7, 2002

Lauren L Stevens

03/29/2002 GTON11 00000076 09990197

Lauren L. Stevens
Registration No. 36,691

01 FC:581

40.00 00

Attorney Docket No. NOVLP037

(Revised 12/01)

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

APPLICATIONS AND METHODS OF MAKING NITROGEN-FREE ANTI-REFLECTIVE LAYERS FOR SEMICONDUCTOR PROCESSING

(Atty. Docket No.: NOVLP037/NVLS-519)

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☒ which bears U.S. application No. 09/990,197. (Not accompanying)
☐ which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Novellus Systems, Inc., a California corporation having a place of business at 3970 North First Street, San Jose, California 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1. Inventor Signature: _____

Bart van Schravendijk

Date: 2/26/02

State of California)

County of Santa Clara)

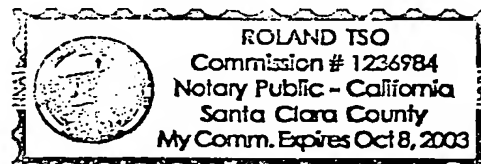
ss.

On this 26 day of February, in the year 2002, before me, Roland Tso, Notary Public, personally appeared Bart van Schravendijk, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Roland Tso



2. Inventor Signature: _____

Ming Li

Date: 2/25/02

State of California

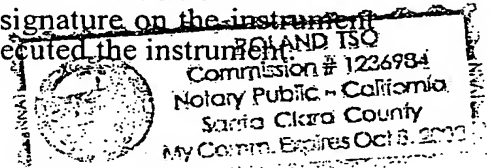
County of Santa Clara }

SS.

On this 25 day of February, in the year 2002, before me, Roland Tso, Notary Public personally appeared Ming Li, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____



3. Inventor Signature: _____

Jason Tian

Date: 2/27/02

State of California

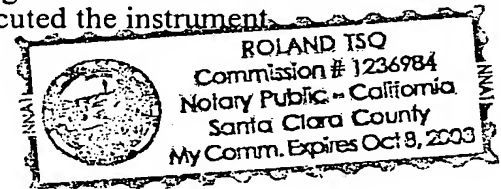
County of Santa Clara }

SS.

On this 27 day of February, in the year 2002, before me, Roland Tso, Notary Public personally appeared Jason Tian, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____



4. Inventor Signature: _____

Tom Mountsier

Date: 2/25/02

State of California

County of Santa Clara }

SS.

On this 25 day of February, in the year 2002, before me, Roland Tso, Notary Public personally appeared Tom Mountsier, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____



5. Inventor Signature:

Zia Karim M. Ziaul Karim

Date: 2/27/02

State of California

County of

Santa Clara

ss.

M. Ziaul Karim

On this 27 day of February, in the year 2002, before me, Roland Tso, Notary Public personally appeared Zia Karim, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature

[Signature]

